

# DATA SHEET



The Infiniti integrated PTZ camera comprises camera, IR Illuminator, integral screen wiper/washer control and an integrated pan & tilt mechanism in a single housing. The Infiniti is designed for outdoor installations where optical clarity is paramount and low/zero light operations are required.

## INTEGRATED CAMERA & IR ILLUMINATOR

The side by side location of the camera and IR Illuminator, all encased in the same housing, ensures that during low light situations the camera benefits from an illuminated scene irrespective of the direction it is facing.

With up to 36x optical zoom and a camera module that offers 550TVL and 0.01 Lux (Mono) sensitivity the CCTV camera provides excellent field of view for day to day surveillance operations. With privacy masks, presets and patrols also included you are guaranteed all the functionality of a precision dome with the benefit of the Infiniti's additional, integrated features, such as the IR Illuminator.

The IR Illuminator uses a specially designed optically lensed window that provides for a 20 degree beam angle. Designed to provide even illumination when pointed at a target at a range of 60 - 80m the Illuminator has a maximum range of 120m

## ANALOGUE & IP

The Infiniti is available in both analogue and IP models, both of which are pre-wired (including the Ethernet connection directly to the camera head) to simplify the installation process.

## ENVIRONMENTAL PROTECTION

With an integrated camera shield the Infiniti is protected from sun glare and rain. Housed in an IP66 enclosure, the unit also contains optically flat toughened glass which enables the use of a wash/wipe system to ensure the camera offers the best possible visibility at all times.

## SIMULTANEOUS VIDEO STREAMS

The IP model can offer the transmission of multiple, simultaneous video streams in MPEG-4 and JPEG images enabling multiple users to view video streams at the settings they require.

## FEATURES

- Compact, Integrated PTZ Camera Unit
- Available in analogue and IP models
- Includes 36x, 28x or 18x optical zoom (550TVL) Day/Night CCTV Camera
- Integrated IR Illuminator combines with Day/Night camera to offer clear visibility even in zero lux light settings
- IR Illumination maximum range of 120m, Optimal Range of 60-100m
- Integral wiper and washer control
- Integrated Camera Recording and full enterprise video server within camera
- Direct configuration of the unit via Dedicated Micros latest range of DVRs
- IP version supports simultaneous, multiple MPEG4 and JPEG video streams
- Includes support for Point&Go and Absolute Positioning Features
- Camera shield for rain deflection and reduced sun glare
- Compatible with existing Dedicated Micros camera brackets and accessories
- Pre-wired to reduce installation time
- Through-base connector provides maximum tamper resistance as the connector protected inside the mounting bracket



# SPECIFICATION

## COMMON FEATURES

### CAMERA SENSOR & RESOLUTION

1/4" Sony EX-view CCD  
550TVL (PAL/NTSC)  
QCIF, CIF, 2CIF, 4CIF

### OPTICAL ZOOM / DIGITAL ZOOM

18x, 28x or 36x Optical Zoom options / 12x Digital Zoom as standard

### SENSITIVITY

Colour: 0.05 lux, Mono: 0.01 lux in low light / 0 lux when using IR Illuminator.  
Wide Dynamic Range: Yes

### FOCAL LENGTH

18x: 4.1 to 73.8mm (F1.4 to F3), 28x: 3.5 to 98mm (F1.35 to F3.7)  
36x: 3.4 to 122.4mm (F1.4 to F3)

### ANGLE OF VIEW

18x: 2.8° (tele) to 48° (wide), 28x: 2.1° (tele) to 55° (wide)  
36x: 1.7° (tele) to 58° (wide)

### IR ILLUMINATOR

Illumination Distance: Maximum range of 120m, Optimal range of 60-100m  
Illuminator angle 20degrees  
IR Wavelength: 850nm  
Eco management to reduce power usage and increase LED life, driven by scene activity or telemetry motion

### PRIVACY MASKS

24

### SIGNAL TO NOISE

>50dB

### CAMERA MOVEMENT

0.05° to 180°/sec max (both axes), 360° continuous pan rotation. Smooth and fine motion Stepper controlled for accuracy of control and positioning

### PRESETS & PATROLS

99 presets, 4 patrols with 32 positions

### ALARMS & RELAYS

Alarms: 4, Relays: 1  
Alarms & Relays fully integrate with Closed IPTV capability on IP models  
Activity /VMD for activation or alarm transmission supported

### POWER SUPPLY

Includes mains to 24Vdc weatherproof PSU / termination unit

### WEIGHTS & MEASURES

All information here excludes mounting bracket  
Dimensions (HxWxD) : 302x284x249mm (11.8"x11.18"x9.8")  
Weight: 6.2Kg (13.2 lb)

### OPERATING TEMPERATURE

-20 to +40°C, 90% humidity

### ENCLOSURE

IP66 Rated. Pressure die-cast aluminium and injection moulded polycarbonate

### FINISH

Metal parts polyester powder coat , RAL7001, plastic parts RAL9002

### WINDOW

CCTV Camera: Toughened Glass  
LED Illuminator: Specially designed optically lensed window

### MOUNTING

4 inch (101.7mm) PCD mounting (unit compatible with industry standard pan & tilt brackets). Direct mount to DM/BKT-CM-WALL managed cable bracket..

## ANALOGUE MODEL FEATURES

### VIDEO OUTPUT

Composite IV pk-pk into 75 Ohms

### VIDEO LAUNCH AMPLIFIER

0-12dB in 100 steps

### RS485 CONTROL

DM RS485 protocol 255 addresses, Pelco P & Pelco D  
Autosenses DM RS485 on start up

### UP THE COAX CONTROL

DM Coax and Pelco Coaxitron protocols, Autosenses DM Coax on startup

### CONFIGURATION

Configuration on DM DVR via DVR menus. Configuration on 3rd party matrices and DVR's via menus accessible from any controller using standard commands (presets and PTZ)

### SUPPORTED DVRs

SD\*\*, DV-IP Server, DV-IP HD, DV-IP RT, DS2\*\*, EcoSense\*\*, SD Advanced, SD Excel

## IP MODEL FEATURES

### CLOSED IPTV

The Infiniti will work seamlessly within a Closed IPTV system to provide a safe and secure IP video solution. For more information visit [www.closediptv.com](http://www.closediptv.com)

### COMPATIBLE DVRs

Any DM DVR that supports IP cameras e.g. DV-IP Server, DV-IP HD, DV-IP RT, SD Advanced, SD Excel, DS2\*\*

### WEB PAGE CONFIGURATION

Simple webpage configuration will allow the following functions to be configured

- Manual update of viewing profiles
- Network, and Alarm Settings
- Camera setup

### COMPRESSION

JPEG & MPEG-4 compression, multiple simultaneous streams

### DATA CONNECTIVITY

RJ45 Connector for Ethernet 10/100 BaseT

### NETWORK SUPPORT

DCCP, DHCP, ICMP, TCP, UDP, IP, ARP, RTP, Telnet, FTP, SNMP, AoE & Multicasting

### SUPPORT APPLICATIONS

NetVu ObserVer

### BROWSER SUPPORT

IE 5.5 and above, Firefox 2.0 and above

### DEVELOPER SUPPORT

Java via DM SDK, MS Windows DLL SDK

Model Code	Description
DM/8000-18D	18x D/N PTZ, IR LED, Mains
DM/8000-28D	28x D/N PTZ, IR LED, Mains
DM/8000-36D	36x D/N PTZ, IR LED, Mains
DM/8080-18D	18x D/N IP - PTZ, IR LED, Mains
DM/8080-28D	28x D/N IP - PTZ, IR LED, Mains
DM/8080-36D	36x D/N IP - PTZ, IR LED, Mains
DM/8000/PSU	Mains power connector
DM/BKT-CM-WALL	Cable managed wall bracket
DM/8000-WASH	Washer Module Assembly
DM/95054	Washer PSU 110v
DM/95055	Washer PSU 230v

For side mount connector model please change last digit to 1 ie: DM/8001-18D  
For NTSC models add IN at the end of the part code i.e. DM/8000-18D/IN

To find your nearest Dedicated Micros office, please visit

[www.dedicatedmicros.com](http://www.dedicatedmicros.com)

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\*\* Not all features are supported